

# **PATENT OF INVENTION**

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**INSTITUT FRANÇAIS DU PÉTROLE**

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## **CATALYST AND ITS USE FOR IMPROVING THE POUR POINT OF HYDROCARBON CHARGES**

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**Invention of Eric BENAZZI, Emmanuelle GUILLON and Johan MARTENS**

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### **ABSTRACT OF THE TECHNICAL CONTENT OF THE INVENTION**

A catalyst comprising at least one ZBM-30 zeolite, synthesized in the presence of a particular structuring agent such as triethylenetetramine, at least one porous mineral matrix, at least one hydro-dehydrogenating element, preferably chosen from the elements of Group VIB and Group VIII of the periodic table, is used in order to improve the pour point of charges containing long (more than 10 carbon atoms) linear and/or slightly branched paraffins, in particular in order to convert, with a good yield, charges having high pour points to at least one cut having a low pour point and a high viscosity index for oil bases.